Index of Cl	aims		Appl	icat	tio	n/Control No.	pplicant(s)/Patent unde leexamination							
			10/0	89,	43	31		TOJO ET AL.						
			Exan	nine	er			Art Unit						
			Mica	ıh-F	Pai	ul Young		1618						
√ Rejected		(Through numer Cancelled	al)		N	Non-Elected	A	Appeal						
= Allowed	÷	Restricted	ŀ		ı	Interference	o	Objected						
								- <del></del>						

Cla	aim					Dat	e					Clair	n					Date		_				Cli	aim	_		_	C	Date	 ∋			$\neg$
	_		Π	T	ľ	Π																									П		П	$\Box$
Final	Original	3/6/03	6/3/04	2/23/05	10/15/05						Final	<u> </u>	Original									- 1		Final	Original							1 1	1	•
造	rigi .	3,6	83	123	۱څ		ł				1	:	ï											듄	rig									- 1
	0	` `		l".	=								9			ı					l			ŀ	0									
	1		マ	V	三	T	_	Г	H		_	1	51	$\neg$	$\neg$	寸	寸	$\neg$		_	$\neg$	ᅥ		<b></b>	101					一	П	П	$\dashv$	$\neg$
	2	Ħ	1	V	=				$\Box$		-		52		$\neg$	寸	一	$\neg$	$\neg$		$\neg$	┪			102			$\neg$	ᅥ		П	П	寸	$\neg$
	-3	H	H			-	<del>                                     </del>		Н	$\dashv$			53	$\dashv$		┪	寸	$\exists$	$\neg$		$\dashv$	⊣			103		$\neg$	_	_	一	П	П	$\neg$	—
	A	+	1	Т		T	T		П	┪			54	┪	7	7		$\dashv$	$\neg$		_	ᅥ			104	П	$\exists$	$\dashv$	寸	$\Box$	П	П	_	_
<u> </u>	5	T	H	H	Н	T	t	T	Н	$\neg$	-		55	_		$\dashv$	$\dashv$	ᅥ	$\dashv$		_	ᅱ			105	$\dashv$		$\neg$	ᅥ	$\dashv$	П	$\vdash$	$\dashv$	_
$\vdash$	6	$\top$	7	~	5	T	T		$\Box$	$\neg$		7	56	$\neg$	寸	┪	┪	一	╛	_	_	ᅥ			106			$\dashv$	$\dashv$	$\neg$	П	П	$\dashv$	_
	7	7	H	T	Ť	$\vdash$		$\vdash$	Н	$\neg$		7	57	$\dashv$	$\dashv$	┪	$\dashv$	寸	1	_	$\neg$	⊣			107	$\vdash$		$\dashv$	_	$\neg$	П	Н	_	_
	8	1	Н	V	7		m		Н	╛			58	$\neg$	寸	7	一	寸			$\neg$	ヿ			108		$\neg$	_	$\neg$	_	$\vdash$		$\dashv$	$\dashv$
<u> </u>	9	+	H	1	=	T	$\vdash$	T	Н			1	59	一	_	$\dashv$		寸	$\neg$			ᅱ			109		$\dashv$	一	ᅥ	$\dashv$	Н	$\vdash$	十	
<u> </u>	10	+	H	$\top$	11	t	H	H		ヿ		-	50	-	$\dashv$	一	$\dashv$	$\dashv$	$\neg$		-	ᅥ			110	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	П	$\vdash$	$\dashv$	$\dashv$
	11	$\top$	H	١.	-2	H	<u> </u>		Н	$\dashv$	<u> </u>		31	$\neg$	-	$\dashv$	ᅥ	一	$\dashv$		$\dashv$	ᅥ			111	Н		_	ᅥ	$\dashv$	$\vdash$	$\vdash$	$\dashv$	$\dashv$
	12	+	H	1	72	1	T	Н	H	$\dashv$	<u> </u>	+	52	$\dashv$	ᅥ	+	ᅥ	一	ᅥ	$\dashv$	$\dashv$	$\dashv$		<u> </u>	112		$\dashv$		-	$\dashv$	$\dashv$	$\vdash \vdash$	$\dashv$	$\dashv$
<del></del>	13	+	-	$\vdash$	ŕ	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\dashv$			33	-	$\dashv$	$\dashv$	$\dashv$	+			-+	$\dashv$		<u> </u>	113	$\vdash$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\vdash$	$\dashv$	-
-	14	+			$\vdash$	+-	$\vdash$	$\vdash$	$\vdash$	$\dashv$	$\vdash$	+	34	$\dashv$	$\dashv$	-		$\dashv$	-	-	$\dashv$	$\dashv$		<del>                                     </del>	114	$\vdash$	$\dashv$		-	$\dashv$	$\dashv$	$\vdash$	$\dashv$	-
<del>                                     </del>	15	+	H		$\vdash$	$\vdash$	$\vdash$		$\vdash$			+;	55	$\dashv$	$\dashv$	$\dashv$	$\dashv$			-	-+	$\dashv$		$\vdash$	115	H	$\dashv$			$\dashv$	$\dashv$	$\dashv$	$\dashv$	
<del> </del>	16	+	H	V	7	$\vdash$	┢┈	<del> </del>	$\vdash \vdash$	$\dashv$	$\vdash$	+	66	$\dashv$	+	$\dashv$		$\dashv$	$\dashv$	=	$\dashv$	$\dashv$			116		$\dashv$		$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	-
	10	+	H	<b> </b>	ŕ	-	-	$\vdash$	$\vdash$	$\dashv$	$\vdash$	+ 2	37	$\dashv$	$\dashv$	-+	$\dashv$	$\dashv$	-		$\dashv$	$\dashv$		$\vdash$	117	$\vdash$	$\dashv$	-	-		$\dashv$	$\vdash\vdash$	$\dashv$	-
	18	+	$\vdash$	レ	1	-	-	$\vdash$	$\vdash$		-	+	58	$\dashv$	$\dashv$	-+	-	$\dashv$	-		-	$\dashv$			118		$\dashv$	-	$\dashv$	$\dashv$	$\dashv$	$\vdash\vdash$	$\rightarrow$	_
	19	+	1	1	-	⊢	⊢	$\vdash$		$\dashv$	$\vdash$	+ ;	59	$\dashv$		-	-	$\dashv$	-	_		-			119	$\dashv$	-	$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\vdash\vdash$	$\rightarrow$	_
	20	ż	1	Н	₩	┝			Н	$\dashv$			70		-	-+	$\dashv$	$\dashv$							119	$\dashv$	$\dashv$	-		$\dashv$		$\vdash$	$\dashv$	
	21		ļ-	Ü	4	-	_		$\vdash$	$\dashv$	-		71	{	-	$\dashv$	$\dashv$	$\dashv$	$\dashv$	-		-			120 121	$\vdash$	$\dashv$	-		4	$\dashv$	$\vdash$	-	
	22		$\vdash$	1	-5	├	-		Н	-	$\vdash$		72	-	-	-	$\dashv$	$\dashv$	$\dashv$		-+	_			121	$\dashv$	$\dashv$	$\dashv$		-	-	-	$\dashv$	
<u> </u>	23		<u> </u>	Н		┢	<u> </u>		H	$\dashv$	-		73	$\dashv$	$\dashv$	$\dashv$	-+	┥			$\dashv$	$\dashv$			122 123		$\dashv$	-	_	-	-	$\dashv$	$\dashv$	$\dashv$
	24		-	$\vdash$	_	-	₩	$\vdash$	$\vdash$	$\dashv$			74		$\dashv$	-	$\dashv$	$\dashv$		$\dashv$	-	-			123	$\dashv$	-		_		_	$\dashv$	+	
<u> </u>	25			V	7	⊢	<u> </u>	-	H	$\dashv$	-		75	-	-	$\dashv$	$\dashv$	$\dashv$	$\dashv$		-+				124	$\dashv$			-	-		$\dashv$	$\dashv$	-
-	26			V	_	$\vdash$	$\vdash$	-	-	$\dashv$				$\dashv$	-	-	-		$\dashv$	-	$\dashv$	$\dashv$			125			-	$\dashv$	-	$\dashv$	$\vdash$		
	27	_	⊢	レ	1.	⊢	⊢	$\vdash$	┦	$\dashv$	_		76	$\dashv$	+	-	-	-	-	$\dashv$	$\dashv$	$\dashv$			126	-	_	_	$\dashv$	-				$\dashv$
	28		<u> </u>	_	,	⊢	_	Н	-		-		77		$\dashv$	-		$\dashv$	_			$\dashv$			127	_	-	-		4	_	$\dashv$	-	4
_			H	V	4	⊢	H	Н	$\vdash$	-	-	+:	78	-	$\dashv$	4	-	_		_	-	{			128	$\dashv$	$\dashv$	4	-	$\dashv$		$\dashv$	-	_
	29			Н		L		Н	$\vdash$	_	<u> </u>		79		4			_	-			4			129	_		-	_	_		$\dashv$	-	$\dashv$
$\vdash$	30	_	_	Н				Н	$\dashv$	-			30		4	-	-	-	_	_	_	4	- 1		130	_	_	_	_	_	_	_	4	4
	31	_		-	_	_	_	Н	$\vdash$	_		13	31	_	4	4		4	_	_	_	4			131	_	_	4	4	_	_	_	_	_
	32		_	Ш				Ш	$\vdash$	4	_		32	4	$\dashv$	$\dashv$	4	_	_	_	_	4			132		_	_	_	_	_	$\dashv$	_	_
<u> </u>	33		$\vdash$	$\vdash \dashv$	_	<b> </b>	Щ	Щ	$\sqcup$	_	_		33	$\dashv$	$\dashv$	$\dashv$	_	_	_	_	_	4	ļ		133		_	_	_			↲	4	_
	34		-			<u> </u>	Щ	$\sqcup$	$\vdash$	_	<u> </u>		34	_	4	4	_	4	_	_	$\dashv$	_			134	_	_	_	_ļ	_		Щ	$\dashv$	_
	35		Щ	$\sqcup$		$\vdash$	$\vdash$	Ш	$\sqcup$	$\dashv$	<b>—</b>	_ _8	35	_	_	4	_		4		$\dashv$	$\dashv$			135	_	_	_	_	_	_	Д	$\dashv$	_
<u> </u>	36		Щ	$\sqcup$		<u> </u>	Щ	Ш	$\sqcup$	_	L.		36	4	4	_	_		_	_	$\dashv$	_			136	$ \bot $	$\dashv$	_	_		$\dashv$		$\dashv$	
	37	_	Щ.	$\sqcup$			$\vdash$	Ш	$\sqcup$	_			37	_	_	4	_	_	_		_	_	ļ		137	_	$\dashv$	_	_		$\Box$	ᆜ	$\dashv$	
<b> </b>	38		Щ	$\sqcup$		_	Щ	Ш	$\sqcup \downarrow$	4	<u> </u>		38	4	_		_	4	_	_		$\dashv$			138	_	_	$\dashv$		_	_	ightharpoonup	$\dashv$	_
	39		Щ	$\sqcup$		<u> </u>		Ш	$\sqcup$	_	<u> </u>		39	ļ	$\perp$		_	_	$\dashv$		$\perp$	_	ļ		139		$\perp$	_	$\perp$		${ m oldsymbol olds$		ightharpoonup	_
<u> </u>	40			Ш		<u> </u>	Ш	Ш	$\Box$	_	$\vdash$	15	0		$\dashv$	4	$\perp$		_	_	_	$\perp$	ļ		140	_	_				$\Box$	┙	$\perp$	
L	41			Ш				Щ	Ц	_	$\vdash$		1	_	_		$\perp$	_	_		_ _	_	Į		141								$\perp$	
	42					Ш	Ш	Ш	$\Box$	_	<u> </u>		2	$\perp$			$\perp$	$\perp$	_	_	$\perp$	_		]	142		$\perp$			[		[	$\perp$	
$\sqcup$	43			$\sqcup$		-		Ш	$\Box$	$\Box$	L_		3	$\Box$				$\perp$					Į		143								$\Box$	
	44			$\sqcup$	_						$\perp$		)4	_[			$\perp$	$\Box$					[		144		$\Box$	$\Box$		$\Box$	_]	$\Box$	$oldsymbol{ol}}}}}}}}}}}}}} $	
	45							Ш		_]			5	$oldsymbol{ol}}}}}}}}}}}}}}}$			$oldsymbol{ol}}}}}}}}}}}}}}}$	$\Box$	J	$oldsymbol{ol}}}}}}}}}}}}}}}}$	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$		[		145	J	J	$\Box$	$\Box$	J		$\Box$	$\Box$	
$oxed{oxed}$	46			$\bigsqcup$			ot	$\Box$				- 6	6	$\Box$	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$	$oldsymbol{\mathbb{I}}$	•	$\Box$	Ī		$\Box$		ſ		146	$\Box$	$\Box$		T					$\neg$
	47												7	J	$\Box$	$\Box \Gamma$	T		J		$\Box$		Ì		147			T		$\Box$	$\Box$		$\Box$	╗
	48								$\Box$	_]			8		$\Box$	$\Box$	$\Box$				$\Box$				148					$\Box$	$\Box$		$\Box$	$\neg$
	49	$\Box$	]						$\Box$				9	$\Box$	$\Box$	$_{ m I}$	$\Box$	$oldsymbol{\mathbb{I}}$	$oldsymbol{ol}}}}}}}}}}}}}}}$	$\Box$	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$		[		149	$\Box$						$\Box$	$\Box$	╗
ш	50				]							1	00	T	T	T	Т	Т	Т	T	T	1			150	Т	П	T	$\neg$	T	$\exists$	$\exists$	$\neg$	П